

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-5 (Cancelled)

Claim 6 (Currently Amended): A method for producing a transgenic plant, comprising:

(A) transforming a plant cell with a gene introduction vector which comprises a desired gene polynucleotide sequence and a selectable marker gene which encodes an enzyme that synthesizes auxin from an auxin precursor or synthesizes an auxin analogue from an auxin precursor or an auxin analogue precursor,

(B) culturing the transformed plant cell in a medium containing the auxin precursor and/or auxin analog precursor analogue thereof under conditions suitable for production of producing a redifferentiated plant tissue expressing said selectable marker gene from said transformed plant cell,

(C) detecting and selecting [[a]] the redifferentiated plant tissue and

(D) culturing the redifferentiated plant tissue into a transgenic plant.

Claim 7 (Currently Amended): The method of Claim 6, wherein said medium ~~contains an auxin which~~ the auxin is indoleacetic acid (IAA).

Claim 8 (Currently Amended): The method of Claim 6, wherein said medium ~~contains an auxin which~~ the auxin is not indoleacetic acid (IAA).

Claim 9 (Currently Amended): The method of Claim 6, wherein said medium ~~contains an auxin analogue which~~ the auxin analog is naphthaleneacetic acid (NAA).

Claim 10 (Currently Amended): The method of Claim 6, wherein said medium ~~contains an auxin precursor which~~ the auxin precursor is indoleacetamide.

Claim 11 (Currently Amended): The method of Claim 6, wherein ~~said medium~~ contains an auxin precursor which the auxin analogue precursor is naphthaleneacetic acid naphthaleneacetamide (NAM).

Claim 12 (Previously Presented): The method of Claim 6, wherein the gene for synthesizing auxin from the auxin precursor is an indoleacetamide hydrolase, *iaaH*, gene.

Claim 13 (Previously Presented): The method of Claim 6, wherein the vector further comprises a cytokinin synthesis gene.

Claim 14 (Previously Presented): The method of Claim 13, wherein the cytokinin synthesis gene is an isopentenyl transferase, *ipt*, gene.

Claim 15 (Previously Presented): The method of Claim 6, wherein the vector is introduced via a plant virus.

Claim 16 (Previously Presented): The method of Claim 6, wherein the vector is introduced via a plant bacterium.

Claim 17 (Previously Presented): The method of Claim 6, wherein the vector is introduced using *Agrobacterium*.

Claim 18 (Previously Presented): The method of Claim 6, wherein the vector is introduced by a physical or chemical technique.

Claim 19 (Previously Presented): The method of Claim 6, wherein the vector comprises a GUS gene.

Claim 20 (Previously Presented): The method of Claim 6, wherein the vector comprises a kanamycin resistance gene.

Claim 21 (Previously Presented): The method of Claim 6, wherein the vector comprises a hygromycin resistance gene.

Claim 22 (Previously Presented): The method of Claim 6, wherein the vector comprises a sulfonylurea resistance gene.

Claim 23 (Previously Presented): The method of Claim 6, wherein the plant cell is *Eucalyptus*.

Claim 24 (Previously Presented): The method of Claim 6, wherein the plant cell is *Populus*.

Claim 25 (Currently Amended): A vector for introducing a desired gene into a plant comprising:

a desired polynucleotide gene, and

a selectable marker gene comprising an indoleacetamide hydrolase, *iaaH*, gene and an isopentenyl transferase, *ipt*, gene, wherein said vector is free of the tryptophan monooxygenase, *iaaM*, gene.